IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A phenanthroline derivative represented by a general formula (1),

$$R_3$$
 R_2 R_2 R_3 R_4 R_5 R_5 R_5 R_5 R_6

wherein each of R_1 to R_5 is selected from the group consisting of a hydrogen atom, an alkyl group having 1 to 4 carbon atoms and a halogen group.

2. (Canceled)

- 3. (Original) Alight-emitting element comprising the phenanthroline derivative according to claim 1 and at least one element selected from alkali metals and alkali-earth metals.
- 4. (Currently amended) A light-emitting element comprising a layer including in which a phenanthroline derivative represented by a general formula (3) and at least one element selected from

alkali metals and alkali-earth metals are mixed,

$$\mathbb{R}^7$$
 \mathbb{N}
 \mathbb{R}^7
 \mathbb{R}^7
 \mathbb{R}^7
 \mathbb{R}^7
 \mathbb{R}^7

wherein R_7 is selected from the group consisting of an alkyl group having 1 to 4 carbon atoms, an alkenyl group having 1 to 4 carbon atoms, and an aryl group having 6 to 10 carbon atoms.

- 5. (Previously Presented) A light-emitting device comprising the light-emitting element according to claim 3.
- 6. (Previously Presented) A light-emitting device that has a display function, comprising a pixel portion in which a circuit including the light-emitting element according to claim 3 is arranged.
- 7. (Original) An electronic device using the light-emitting device according to claim 5 for a display portion.
- 8. (Original) An electronic device using the light-emitting device according to claim 6 for a display portion.
- 9. (Previously Presented) A light-emitting device comprising the light-emitting element according to claim 4.

- 10. (Previously Presented) A light-emitting device that has a display function, comprising a pixel portion in which a circuit including the light-emitting element according to claim 4 is arranged.
- 11. (Previously Presented) A light-emitting device according to claim 4, wherein the layer is an electron injecting layer.